

Dell EMC OpenManage Ansible Modules Version 2.1 Release Notes

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Dell EMC OpenManage Ansible Modules

Dell EMC OpenManage Ansible Modules allows data center and IT administrators to use RedHat Ansible to automate and orchestrate the configuration, deployment, and update of Dell EMC PowerEdge Servers (12th generation of PowerEdge servers and later) and modular infrastructure by leveraging the management automation capabilities in-built into the Integrated Dell Remote Access Controller (iDRAC) and OpenManage Enterprise (OME) respectively.

With the latest release of Dell EMC OpenManage Ansible Modules, the capabilities have improved with support for OpenManage Enterprise. OpenManage Ansible Modules simplifies and automates provisioning, deployment, and updates of PowerEdge servers and modular infrastructure. It allows system administrators and software developers to introduce the physical infrastructure provisioning into their software provisioning stack, integrate with existing DevOps pipelines and manage their infrastructure using version-controlled playbooks, server configuration profiles, and templates in line with the Infrastructure-as-Code (IaC) principles.

Version

2.1

Release Date

June 2020

Previous Version

2.0.1

Importance

OPTIONAL: Dell EMC recommends the customer review specifics about the update to determine if it applies to your system. The update contains changes that impact only certain configurations, or provides new features that may or may not apply to your environment.

Platform(s) Affected

For the list of supported platforms, see the section **Support Matrix** in the **Dell EMC OpenManage Ansible Modules version 2.1 Installation Guide**.

What is Supported

For information on the hardware and software requirements, see **Dell EMC OpenManage Ansible Modules version 2.1 Installation Guide**.

What's new?

- OpenManage Ansible allows the use of standard Redfish URIs supported by iDRAC.
 - The new **redfish_firmware** module performs a component firmware update using an image file available on the local or remote system.
 - The new **redfish_storage_volume** module manages the storage volume configuration.
- The new **ome_firmware_baseline** module allows to create a firmware baseline from existing catalog.
- The new **ome_firmware_baseline_info** module allows to view the list of available firmware baselines.
- The new **ome_firmware_baseline_compliance_info** module allows to retrieve:
 - Firmware compliance report for specified identifiers [device ids, service tags, group names].
 - Baseline compliance report for a specified baseline.
- The new **ome_firmware_catalog** module allows to create a firmware catalog.
- The new **ome_template_identity_pool** module allows to:
 - Attach an identity pool to a template.
 - Detach an identity pool from a template.
- The new **ome_template_network_vlan** module lets you select tagged and untagged VLANs to be used in the OpenManage Enterprise template.
- The new **ome_identity_pool** module allows to create, modify, and delete an identity pool using Ethernet, FCoE, and iSCSI settings.
- The new **ome_application_certificate** module allows to generate a certificate signing request and upload the certificate on OpenManage Enterprise.
- The new **ome_application_network_proxy** module allows the configuration of a network proxy.
- The new **ome_application_network_address** module allows to configure a DNS and an IPv4 or IPv6 network.
- The new **ome_application_network_webserver** module allows the configuration of the network web server.
- The new **ome_application_network_time** module allows the configuration of network time.
- The new **idrac_redfish_storage_controller** module configures the settings of a storage controller.
- The **ome_firmware** module supports the following:
 - Firmware updates for a group of devices.
 - Firmware updates using a baseline name, or a single DUP path and a baseline name.
- The **ome_template** module allows delete, clone, import and export operations.
- The unreachable option in the Ansible play recap is enabled for the **ome_template** and **ome_firmware** module. This option allows to identify the number of hosts that were unreachable during a run.
- The parameter **template_name** from the **ome_template** module allows to modify or deploy a template.
- The **ome_template_info** and **ome_user_info** modules are enhanced to filter records using name in **system_query_options**.
- The **ome_user** module allows to delete an existing user account using name.
- Support custom interval (default is 18 hours) for auto-detaching an ISO image for **idrac_os_deployment**.
- The following enhancements have been made to the **idrac_firmware** module:
 - Support for installing firmware from CIFS, NFS, HTTP, HTTPS, or FTP based repository.
 - Support for viewing individual component update job IDs
 - The **apply_update** option is added, which specifies if the packages from the Catalog XML are queued for update.
 - The **ignore_cert_warning** option is added, which specifies if certificate warnings must be ignored.
 - Supports FQDN input format for share details
- The following enhancements have been made to the installation script:
 - All the modules present by default in the remote_management/dellemc folder are now overwritten with updated versions.
 - Modules are installed to the custom path, if it is set by the environment variable **ANSIBLE_LIBRARY**.
 - The installation and uninstallation scripts have been updated to display the path where the modules have been installed.

- o Success and failure messages in the scripts now appear in green and red
- The **dellemc_ome_firmware** module is deprecated and replaced with the **ome_firmware** module.
- The **dellemc_ome_template** module is deprecated, and all the functionality is added to the new **ome_template** module.
- The **dellemc_ome_user_facts** module is deprecated, and all the functionality is added to the new **ome_user_info** module.
- The **dellemc_boot_to_network_iso** module is deprecated and all the functionality is added to the new **idrac_os_deployment** module.

Fixes

Issue 1(134624)

Description: Creation of a template using the "ome_template" module may fail on OpenManage Enterprise version 3.1 if no template is created within 24 hours (approximately) of its installation and setup.

Resolution: A script is provided to fix the issue in OpenManage Enterprise 3.1 through PSQN which creates a folder in CIFS share. See <https://kb.dell.com/infocenter/index?page=content&id=SLN316882> for more details.

Known Issues

Issue 1(154815)

Description: Firmware update may fail if multiple DUPs are uploaded. Local DUPs are stored in a temporary folder created by a scratch-pad. The capacity of this folder is only 300MB.

Issue 2(155034)

Description: If the controller does not support updating the EncryptionTypes parameter, a default value is automatically set during the storage volume create operation and the storage volume modify operation fails.

Issue 3(155043)

Description Redfish storage volume operation may return a progress percentage different than the actual job status.

Limitations

- **GracefulShutdown** choice of `change_power` option for **dellemc_change_power_state** module is supported only on iDRAC firmware versions 3.18.18.18 and above.
- `ipmiserialprivilege_users` option of **dellemc_configure_idrac_users** module is not supported for Modular servers.
- `secure_boot_mode` option of **dellemc_configure_bios** module is supported only on iDRAC 9 based Dell EMC PowerEdge servers.

Installation Prerequisites

For installation prerequisites, see **Dell EMC OpenManage Ansible Modules Version 2.1 Installation Guide**.

Software Requirements

For information on the hardware and software requirements, see **Dell EMC OpenManage Ansible Modules Version 2.1 Installation Guide**.

Installation Procedure


For the installation instructions, see **Dell EMC OpenManage Ansible Modules Version 2.1 Installation Guide**.

Accessing documents from the Dell EMC support site

You can access the required documents using the following links:

- For Dell EMC Enterprise Systems Management documents — www.dell.com/esmmanuals
- For Dell EMC OpenManage documents — www.dell.com/openmanagemanuals
- For Dell EMC Remote Enterprise Systems Management documents — www.dell.com/esmmanuals
- For iDRAC and Dell Lifecycle Controller documents — www.dell.com/idracmanuals
- For Dell EMC OpenManage Connections Enterprise Systems Management documents — www.dell.com/esmmanuals
- For Dell EMC Serviceability Tools documents — <https://www.dell.com/serviceabilitytools>
- 1. Go to <https://www.dell.com/support>.
 2. Click **Browse all products**.
 3. From **All products** page, click **Software**, and then click the required link from the following:
 - **Analytics**
 - **Client Systems Management**
 - **Enterprise Applications**
 - **Enterprise Systems Management**
 - **Public Sector Solutions**
 - **Utilities**
 - **Mainframe**
 - **Serviceability Tools**
 - **Virtualization Solutions**
 - **Operating Systems**
 - **Support**
 4. To view a document, click the required product and then click the required version.
- Using search engines:
 - Type the name and version of the document in the search box.

Contacting Dell

 **NOTE:** If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Go to **Dell.com/support**.
2. Select your support category.
3. Verify your country or region in the **Choose a Country/Region** drop-down list at the bottom of the page.
4. Select the appropriate service or support link based on your need.

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.